

Saket Raj

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🐙 GitHub </> LeetCode

Summary

Final year Electronics and Communication Engineering student with experience in software development, machine learning, and full stack development. Looking for a Software Development Engineer role to apply my technical expertise in building scalable solutions.

Education

B.N.M Institute of Technology

Dec 2021 – Present

Degree : Bachelor of Engineering (B.E.)

Branch : Electronics and Communication Engineering

GPA: 8.25

Experience

System Analyst

Sept 2023 – Nov 2023

Senquire Analytics Pvt. Ltd.

- Optimised system performance by reducing memory usage using Linux profiling tools like *htop*.
- Analysed real-time traffic patterns for a Camera Traffic Generator project, improving efficiency.

Projects

Shoplifting Detection using Machine Learning

Nov 2024 – Present

- Developing a machine learning model using YOLO and OpenCV for real-time shoplifting detection.
- Implementing behaviour analysis for shoplifting patterns and an automated alert system.
- Tools Used: Python, YOLO, OpenCV, Git, Jupyter Notebook.

Camera Traffic Generator

Nov 2023

- Developed a React-based UI for an AI-driven defect detection system on conveyor belts.
- Integrated camera interfaces for real-time traffic management and analytics.
- Tools Used: Git, GitHub, Linux, React, OpenCV, JSON.

Skills

Programming Languages: C, Java, Python, JavaScript

Database and Tools: MySQL, Git, GitHub, Linux

Frameworks and Technologies: HTML, CSS, REST API Development (Flask, Spring Boot), AWS (EC2, RDS, Lambda), MVC Architecture, OpenCV, YOLO

Software Development Concepts: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPs), DevOps

Courses and Certifications

- Software Engineering (Infosys Springboard)
- Developing and Deploying Software in the Cloud (IBM SkillBuild)

Extracurricular Activities

- Committee Member in Cycle Street Event (2024)
- Member of TedxBNMIT
- Member of NSS